

Session Program

22-28 Jun 2019



PPPS 2019

5.5 Insulation and Dielectric Breakdown II

DoubleTree at the Entrance to Universal Orlando
5780 Major Blvd. Orlando, Florida, 32819, USA

Friday 28 June

10:00

5.5 Insulation and Dielectric Breakdown II

Session | **Location:** Seminole A/B | **Convener:** Guy Rosenzweig

10:00–10:30

Vacuum Insulator Flashover of Ultra High Vacuum Compatible Insulators

Speaker

Josh Leckbee

10:30–10:45

Vacuum Outgassing Study of Candidate Materials for Next Generation Pulsed Power and Accelerators: Improving the Boundary Conditions for Molecular Flow Simulations

Speaker

Sean Simpson

10:45–11:00

ROLE OF TEMPERATURE IN ELECTRICAL BREAKDOWN AT TRIPLE JUNCTIONS

Speaker

Dr Giacomo Galli

11:00–11:15

Electron Losses in Super-insulated Magnetically Insulated Transmission Lines

Speaker

Dr Rick Spielman

11:15–11:30

FUNDAMENTAL STUDY OF UNIPOLAR AND RF BREAKDOWN IN ATMOSPHERIC AIR*

Speaker

Mr Ivan Aponte

11:30–11:45

High Field RF Breakdown of Pressurized SF₆

Speaker

Mr Melvin Powell

11:45–12:00

Effect of Relative Humidity on the Flashover Strength of Solid Insulation

Speaker

Ruairidh Macpherson

12:00